

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) Apparatus for treadmill training of walking-disabled patients, comprising a treadmill, a relief mechanism for the patient, and a driven orthotic device, wherein ~~means~~ a parallelogram fixed in a height-adjustable manner on the treadmill is provided for stabilizing the orthotic device ~~are provided that prevent and preventing~~ the patient from tipping forward, backward and sideward, the parallelogram being attached to the orthotic device; ~~that~~ the orthotic device ~~consists of~~ comprises a hip orthotic device and two leg parts, whereby two hip drives are provided for moving the hip orthotic device, and two knee drives are provided for moving the leg parts; ~~that~~ the hip orthotic device and leg parts are adjustable, whereby the leg parts are provided with cuffs which are adjustable in size and position; and ~~that~~ a control unit is provided for controlling the movements of the orthotic device and controlling the speed of the treadmill.

2. (Cancelled)

3. (Currently Amended) Apparatus as claimed in Claim 2 1, wherein the parallelogram ~~consists of~~ comprises a base frame, an orthotic device part, and two carriers that are interconnected via bearings; ~~that~~ on the base frame, on ~~the~~ one lower side, a first bearing element is attached, with which first bearing element the base frame or, respectively, the parallelogram is positioned in a rotatable manner

and is fixed on the ~~a~~ first rail of a railing of the treadmill in a height-adjustable manner; ~~that~~ on the base frame on the other lower side a second bearing element that can be flipped open and closed is attached, with which second bearing element the base frame or, respectively, the parallelogram can be locked to ~~the~~ a second rail of the railing of the treadmill after the completed rotating movement around the first bearing element; and ~~that~~ an orthotic device holder that is provided with means for attaching the orthotic device is attached to the orthotic device part.

4. (Currently Amended) Apparatus as claimed in Claim 2 1, wherein a relief mechanism is attached to the parallelogram for compensating the weight of the orthotic device, whereby preferably a gas pressure spring, a counter weight, or a mechanical spring is provided for this purpose.

5. (Cancelled)

6. (Previously Presented) Apparatus as claimed in Claim 1, wherein the hip orthotic device is adjustable in its width.

7. (Currently Amended) Apparatus as claimed in Claim 1, wherein the leg parts ~~consist of~~ comprise leg braces that can be moved inside each other so that the leg parts are adjustable in length.

8. (Previously Presented) Apparatus as claimed in Claim 1, wherein the leg parts are provided with cuffs that can be adjusted continuously 'anterior-posterior' and 'medial-lateral'.

9. (Currently Amended) Apparatus as claimed in Claim 1, wherein the cuffs ~~consist of~~ comprise a semi-round hoop and a tape; and ~~that a~~ the tape is attached to the hoop in such a way that it can be freely wound around a rotary axis in ~~the~~ a center of the patient's leg.

10. (Currently Amended) Apparatus as claimed in Claim 9, wherein ~~the~~ different settings of the orthotic device, ~~such as~~ including hip width, leg lengths, and cuff positions, are ~~marked~~ marked with marks.

11. (Currently Amended) Apparatus as claimed in Claim 1, wherein a control unit is provided for controlling the drives of the orthotic device, the input values of said control unit being user data, the output values of the control unit being control signals for the orthotic device and the treadmill, and ~~its~~ the control value of the control unit being measuring values.

12. (Currently Amended) ~~Apparatus as claimed in Claim 1, wherein a ball screw spindle drive is provided for each knee drive and hip drive.~~

Apparatus for treadmill training of walking-disabled patients, comprising a treadmill including a railing, a relief mechanism for the patient, and a driven orthotic device, wherein means for stabilizing the orthotic device are provided that prevent

the patient from tipping forward, backward and sideward; the orthotic device comprises a hip orthotic device and two leg parts, two hip drives are provided for moving the hip orthotic device, and two knee drives are provided for moving the leg parts; a ball screw spindle drive is provided for each knee drive and hip drive, the orthotic device and leg parts are adjustable, the leg parts are provided with cuffs which are adjustable in size and position; and a control unit is provided for controlling the movements of the orthotic device and controlling the speed of the treadmill.

13. (Currently Amended) Method for operating an apparatus as claimed in Claim 1, wherein the orthotic device is turned away from the treadmill in order to permit the patient to gain access to the treadmill; ~~that~~ the orthotic device is positioned above the treadmill and is fixed to the patient, whereby the orthotic device is relieved by a relief mechanism; and ~~that~~ the orthotic device is driven and controlled, and the treadmill is driven and controlled.

14. (Currently Amended) Method as claimed in Claim 13, wherein the parallelogram is positioned with the orthotic device at the railing of the treadmill in such a way that it can be opened towards the back, whereupon the patient is driven in ~~the~~ a wheel chair onto the treadmill; ~~that~~ the patient is secured in ~~the~~ a treadmill belt or hung above the treadmill; and ~~that~~ then the orthotic device is rotated from the back at the parallelogram onto the treadmill and is tightened on the suspended patient.

15. (Currently Amended) Method as claimed in Claim 13, wherein the drives of the orthotic device are controlled by a the control unit in such a way that the legs of the patient are moved in a natural, physiological walking pattern on the treadmill, whereby the desired curves necessary for creating the physiological sequences of movement are adapted by the control unit based on the entered patient-specific settings and respective measuring values.

16. (Previously Presented) Method as claimed in Claim 13, wherein the movements of the orthotic device are synchronized with the treadmill speed.

17. (Currently Amended) Method as claimed in Claim 13, wherein the control unit synchronizes the movement of the legs with or adapts it to the speed of the treadmill in that a trigger unit signals the beginning of a standing phase and ~~thus~~ the a course of the a sequence of movements over time with a trigger signal, and the desired curves are output to the drives of the orthotic device, adapted appropriately as control signals.

18. (Currently Amended) Method as claimed in Claim 13, wherein ~~the~~ settings of the adjustable orthotic device are read at the markings, ~~are~~ stored, and reconstructed.